

WHAT IS CLAIMED IS:

1. A location register for carrying out location registration of a mobile communication terminal, said location register comprising:

5 first storage means for storing information concerning a movement status of said mobile communication terminal;

10 first determination means for determining a period of location registration of said mobile communication terminal according to said information concerning said movement status of said mobile communication terminal stored in said first storage means; and

15 first registration means for transmitting said period of location registration determined by said first determination means to said mobile communication terminal, receiving location information transmitted from said mobile communication terminal in response to said transmitted period of location registration, and carrying out location registration of said mobile communication terminal according to said received location information.

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25 2. A location register according to claim 1, wherein said first determination means further determines an administrative time for location registration of said mobile communication terminal according to said information concerning said movement status of said mobile communication terminal stored in said first storage means; and

wherein said first registration means carries out location registration of said mobile communication terminal within a range of said administrative time determined by said first determination means.

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3. A location register for carrying out location registration of a mobile communication terminal, said location register comprising:

second storage means for storing information concerning a frequency of incoming call to said mobile communication terminal;

second determination means for determining a period of location registration of said mobile communication terminal according to said information concerning said frequency of incoming call to said mobile communication terminal stored in said second storage means; and

20 second registration means for transmitting said period of location registration determined by said second determination means to said mobile communication terminal, receiving location information transmitted from said mobile communication terminal in response to said transmitted period of location registration, and carrying out location registration of said mobile communication terminal according to said received location information.

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4. A location register according to claim 3, wherein

5 said second determination means further determines an administrative time for location registration of said mobile communication terminal according to said information concerning said frequency of incoming call to said mobile communication terminal stored in said second storage means; and

10 wherein said second registration means carries out location registration of said mobile communication terminal within a range of said administrative time determined by said second determination means.

15 5. A location register for carrying out location registration of a mobile communication terminal, said location register comprising:

20 third storage means for storing information concerning a movement status of said mobile communication terminal and information concerning a frequency of incoming call to said mobile communication terminal;

25 third determination means for determining a period of location registration of said mobile communication terminal according to said information concerning said movement status of said mobile communication terminal and said information concerning said frequency of incoming call to said mobile communication terminal stored in said third storage means; and

third registration means for transmitting said period

of location registration determined by said third determination means to said mobile communication terminal, receiving location information transmitted from said mobile communication terminal in response to said transmitted period of location registration, and carrying out location registration of said mobile communication terminal according to said received location information.

6. A location register according to claim 5, wherein said third determination means further determines an administrative time for location registration of said mobile communication terminal according to said information concerning said movement status of said mobile communication terminal and said information concerning said frequency of incoming call to said mobile communication terminal stored in said third storage means; and

wherein said third registration means carries out location registration of said mobile communication terminal within a range of said administrative time determined by said third determination means.

7. A location registration system comprising:
a mobile communication terminal; and
a location register for carrying out location registration of said mobile communication terminal;
wherein said location register is the location register

according to one of claims 1.

8. A location registration system comprising:
a mobile communication terminal; and
5 a location register for carrying out location
registration of said mobile communication terminal;
wherein said location register is the location register
according to one of claims 3.

10 9. A location registration system comprising:
a mobile communication terminal; and
a location register for carrying out location
registration of said mobile communication terminal;
wherein said location register is the location register
15 according to one of claims 5.

20 10. A location registration method for carrying out
location registration of a mobile communication terminal,
said location registration method comprising:
a first storage step of storing information concerning
a movement status of said mobile communication terminal into
storage means;

25 a first determination step of determining a period of
location registration of said mobile communication terminal
according to said information concerning said movement status
of said mobile communication terminal stored in said first

storage step;

a first transmission step of transmitting said period of location registration determined in said first determination step to said mobile communication terminal;

5 a first receiving step of receiving location information of said mobile communication terminal transmitted from said mobile communication terminal in response to said period of location registration transmitted in said first transmission step; and

10 a first registration step of carrying out location registration of said mobile communication terminal according to said location information received in said first receiving step.

15 11. A location registration method according to claim 10, wherein said first determination step further determines an administrative time for location registration of said mobile communication terminal according to said information concerning said movement status of said mobile communication terminal stored in said storage means; and

20 25 wherein said first registration step carries out location registration of said mobile communication terminal within a range of said administrative time determined in said first determination step.

12. A location registration method for carrying out

location registration of a mobile communication terminal,
said location registration method comprising:

a second storage step of storing information concerning
a frequency of incoming call to said mobile communication
terminal into storage means;

5 a second determination step of determining a period
of location registration of said mobile communication
terminal according to said information concerning said
frequency of incoming call to said mobile communication
terminal stored in said storage means in said second storage
step;

a second transmission step of transmitting said period
of location registration determined in said second
determination step to said mobile communication terminal;

15 a second receiving step of receiving location
information of said mobile communication terminal
transmitted from said mobile communication terminal in
response to said period of location registration transmitted
in said second transmission step; and

20 a second registration step of carrying out location
registration of said mobile communication terminal according
to said location information received in said second
receiving step.

25 13. A location registration method according to claim
12, wherein said second determination step further determines

an administrative time for location registration of said mobile communication terminal according to said information concerning said frequency of incoming call to said mobile communication terminal stored in said storage means; and

5 wherein said second registration step carries out location registration of said mobile communication terminal within a range of said administrative time determined in said second determination step.

10 14. A location registration method for carrying out location registration of a mobile communication terminal, said location registration method comprising:

15 a third storage step of storing information concerning a movement status of said mobile communication terminal and information concerning a frequency of incoming call to said mobile communication terminal into storage means;

20 a third determination step of determining a period of location registration of said mobile communication terminal according to said information concerning said movement status of said mobile communication terminal and said information concerning said frequency of incoming call to said mobile communication terminal stored in said third storage step;

25 a third transmission step of transmitting said period of location registration determined in said third determination step to said mobile communication terminal;

 a third receiving step of receiving location

information of said mobile communication terminal transmitted from said mobile communication terminal in response to said period of location registration transmitted in said third transmission step; and

5 a third registration step of carrying out location registration of said mobile communication terminal according to said location information received in said third receiving step.

10 15. A location registration method according to claim 14, wherein said third determination step further determines an administrative time for location registration of said mobile communication terminal according to said information concerning said movement status of said mobile communication terminal and said information concerning said frequency of incoming call to said mobile communication terminal stored in said storage means; and

20 wherein said third registration step carries out location registration of said mobile communication terminal within a range of said administrative time determined in said third determination step.